

Fig. 1

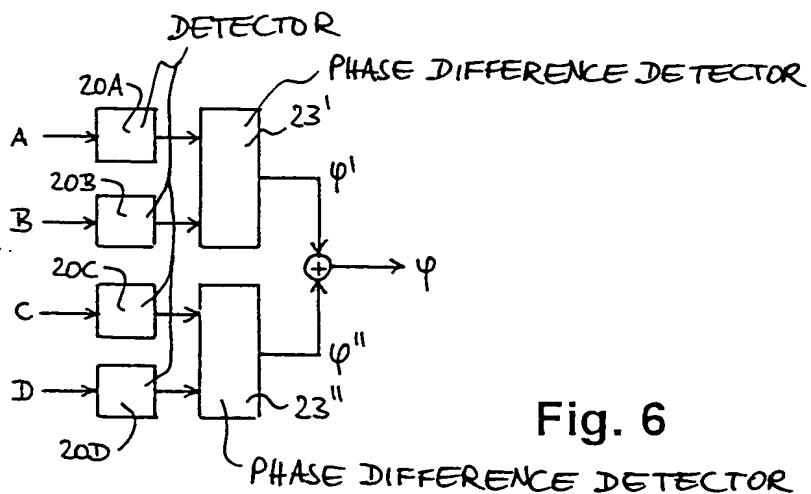


Fig. 6

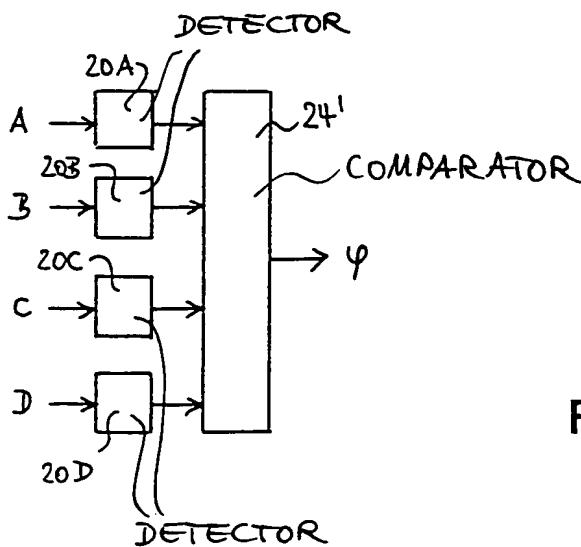
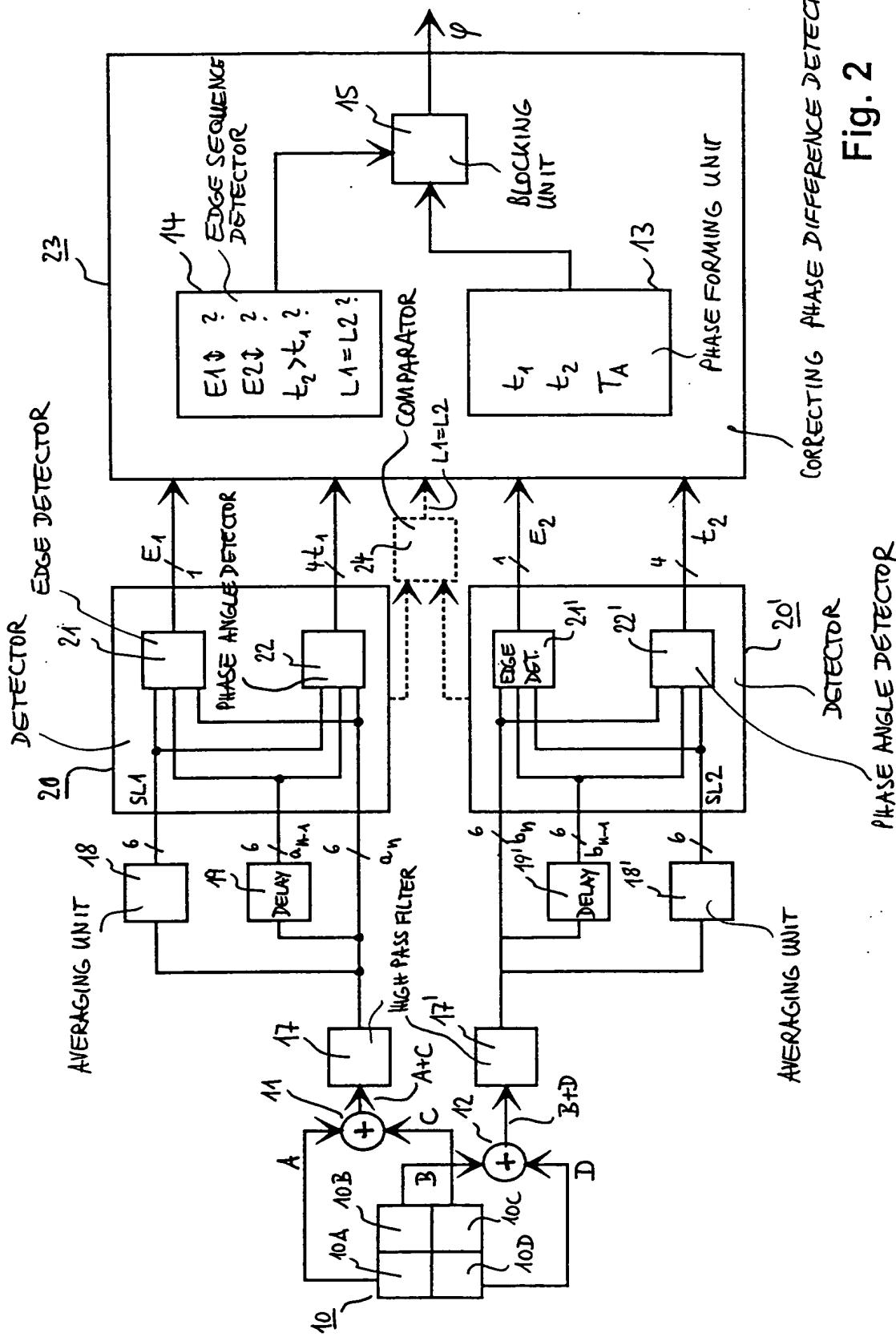
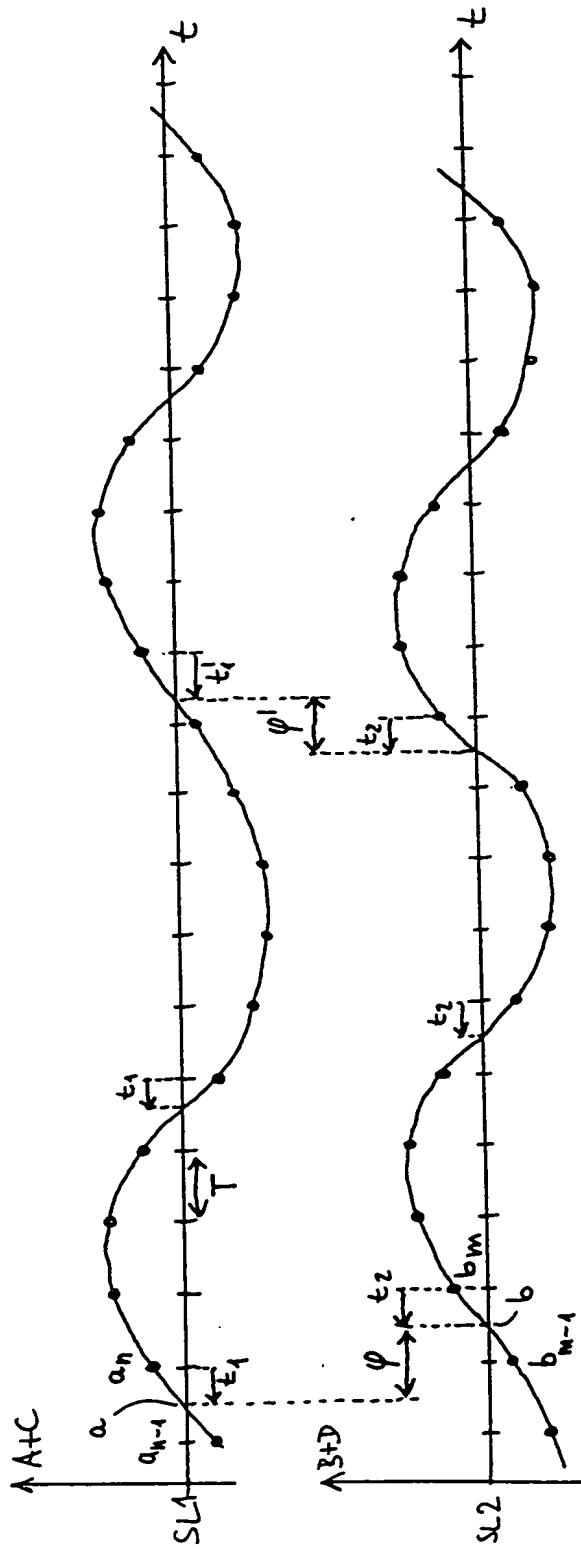


Fig. 7



CORRECTING PHASE DIFFERENCE DETECTOR

Fig. 2



$$\varphi = t_1 + (m-n)T - t_2$$

$$t_1 = \frac{a_n - a}{a_n - a_{n-1}} T$$

$$t_2 = \frac{b_m - b}{b_m - b_{m-1}}$$

Fig. 3

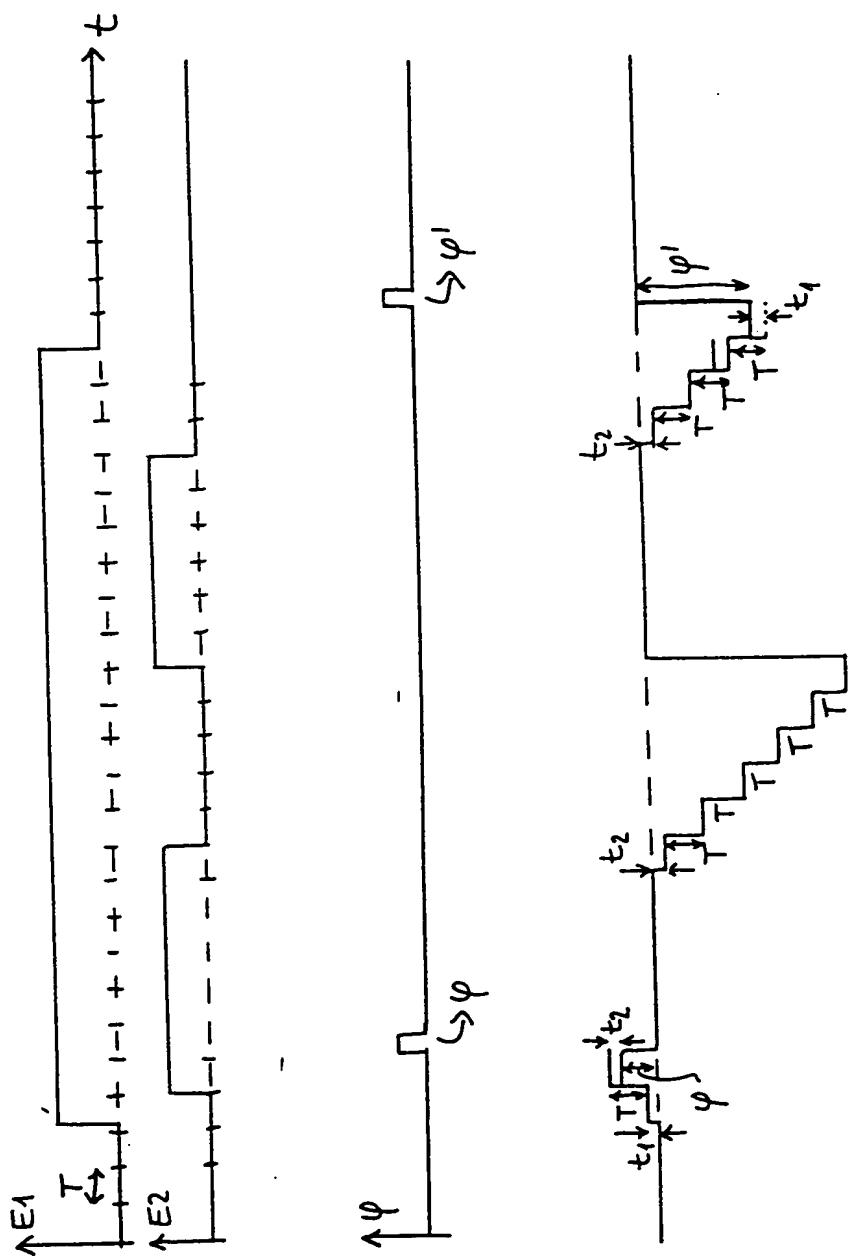


Fig. 4

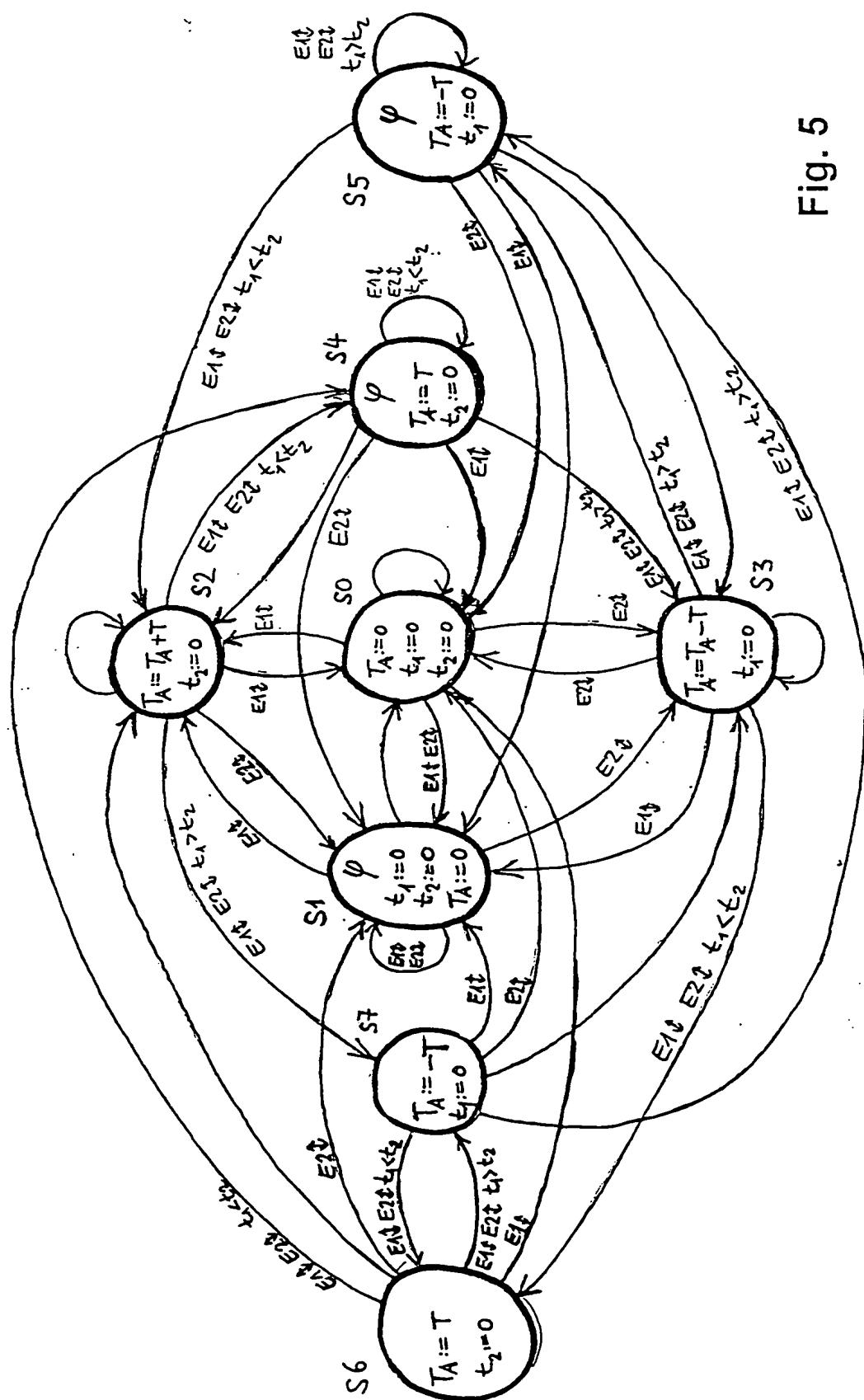


Fig. 5